



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/507,004
				Filing Date	September 8, 2004
				First Named Inventor	Hiroshi Sugiyama
				Art Unit	1626
				Examiner Name	Stockton, L.
Sheet	1	of	1	Attorney Docket Number	SAE-0023

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	BA	WO-01/085733-A1	11-15-2001	Japan Science And Technology Corporation		
	BB	WO-01/36677-A1	05-25-2001	Japan Science And Technology Corporation		
	BC	WO-00/15641-A1	03-23-2000	Japan Science And Technology Corporation		
	BD	JP-2000-281679-A	10-10-2000	Japan Science And Technology Corporation		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	International Search Report dated May 27, 2003	
	CB	Dervan, Peter B., "Molecular Recognition of DNA by Small Molecules," Bioorganic & Medicinal Chemistry, Vol. 9, Pages 2215-2235, Pergamon, Elsevier Science Ltd. (2001)	
	CC	Wemmer et al., "Targeting the Minor Groove of DNA," Nucleic Acids, Current Opinion in Structural Biology, Vol. 7, Pages 355-361, Current Biology Ltd. (1997)	
	CD	Turner et al., "Recognition of Seven Base Pair Sequences in the Minor Groove of DNA by Ten-Ring Pyrrole-Imidazole Polyamide Hairpins," J. Am. Chem. Soc., Vol. 119, Pages 7636-7644, American Chemical Society (1997)	
	CE	Trauger et al., "Recognition of 16 Base Pairs in the Minor Groove of DNA by a Pyrrole-Imidazole Polyamide Dimer," J. Am. Chem. Soc., Vol. 120, Pages 3534-3535, American Chemical Society (1998)	
	CF	Turner et al., "Aliphatic/Aromatic Amino Acid Pairings for Polyamide Recognition in the Minor Groove of DNA," J. Am. Chem. Soc., Vol. 120, Pages 6219-6226, American Chemical Society (1998)	
	CG	Gottesfeld et al., "Regulation of Gene Expression by Small Molecules," Letters to Nature, Vol. 387, Pages 202-205 (May 8, 1997)	
	CH	Dickinson, et al., "Inhibition of RNA Polymerase II Transcription in Human Cells by Synthetic DNA-binding ligands," Proc. Nat. Acad. of Sci. USA, Biochemistry, Vol. 95, Pages 12890-12895, National Academy of Sciences, (October 1998)	
	CI	Chang et al., "Strand Selective Cleavage of DNA by Diastereoisomers of Hairpin Polyamide-6660-CBI Conjugates," J. Am. Chem. Soc., Vol. 122, 4856-4864, American Chemical Society (2000)	

Examiner Signature	Date Considered
Error! Unknown document property name.	Error! Unknown document property name.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/507,004
				Filing Date	September 8, 2004
				First Named Inventor	Hiroshi Sugiyama
				Art Unit	1626
				Examiner Name	Stockton, L.
Sheet	2	of	1	Attorney Docket Number	SAE-0023

	CJ	Tao et al., "Rational Design of Sequence-Specific DNA Alkylating Agents Based on Duocarmycin A and Pyrrole-Imidazole Hairpin Polyamides," J. Am. Chem. Soc., Vol. 121, Pages 4961-4967, American Chemical Society (1999)	
	CK	Sugiyama et al., "Covalent Alkylation of DNA with Duocarmycin A. Identification of Abasic Site Structure," Tetrahedron Letters, Vol. 31, No. 48, Pages 7197-7200, Pergamon Press plc (1990)	
	GL	Sugiyama et al., "A Novel Guanine N3-Alkylation by Antitumor Antibiotic Duocarmycin A," Tetrahedron Letter, Vol. 34, No. 13, Pages 2179-2182, Pergamon Press Ltd. (1993)	
	CM	Boger et al., "An Improved Synthesis of 1,2,9,9a-Tetrahydrocyclopropa[e]benz[e]indol-4-one (CBI): A Simplified Analogue of the CC-1065 Alkylation Subunit," J. Org. Chem., Vol. 57, Pages 2873-2876, American Chemical Society (1992)	
	CN	Boger et al., "An Efficient Synthesis of 1,2,9,9a-Tetrahydrocyclopropa[e]benz[e]indol-4-one (CBI): An Enhanced and Simplified Analog of the CC-1065 and Duocarmycin Alkylation Subunits," J. Org. Chem., Vol. 60, Pages 1271-1275, American Chemical Society (1995)	
	CO	Tao et al., "Highly Cooperative DNA Dialkylation by the Homodimer of Imidazole-Pyrrole Diamide-CPI-Conjugate with Vinyl Linker," J. Am. Chem. Soc., Vol. 122, Pages 1602-1608, American Chemical Society (2000)	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Error! Unknown document property name.

Error! Unknown document property name.